

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-234151
(43)Date of publication of application : 29.08.2000

(51)Int.Cl. C22C 38/00
C22C 38/32
H01F 1/053

(21)Application number : 11-350983 (71)Applicant : SHIN ETSU CHEM CO LTD
(22)Date of filing : 10.12.1999 (72)Inventor : YAMAMOTO KENJI
MINOWA TAKEHISA
TADAMI KORO

(30)Priority
Priority number : 10355728 Priority date : 15.12.1998 Priority country : JP
10355736 15.12.1998 JP

(54) RARE EARTH-IRON-BORON SYSTEM RARE EARTH PERMANENT MAGNET MATERIAL
(57)Abstract:
PROBLEM TO BE SOLVED: To provide an R-Fe-B system rare earth permanent magnet material excellent in both of high coercive force and residual magnetic flux density.
SOLUTION: This material has a compsn. composed of, by weight, 28 to 35% R (R denotes one or ≥ two kinds among rare earth elements selected from Nd, Pr, Dy, Tb and Ho), 0.1 to 3.6% Co, 0.9 to 1.3% B, 0.05 to 1.0% Al, 0.02 to 0.25% Cu, 0.02 to 0.3% Zr and/or Cr, 0.03 to 0.1% C, 0.1 to 0.8% O, 0.002 to 0.02% N, and the balance Fe with inevitable impurities.

LEGAL STATUS
[Date of request for examination] 21.08.2003
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number]
[Date of registration]
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office